

FIG. 3

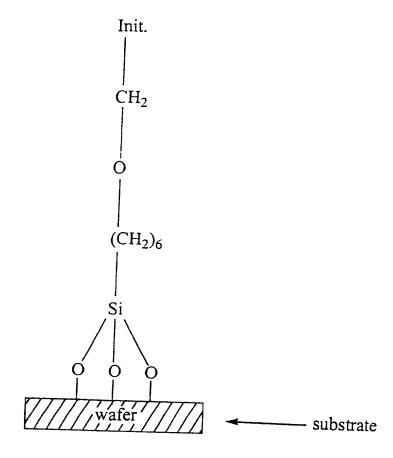
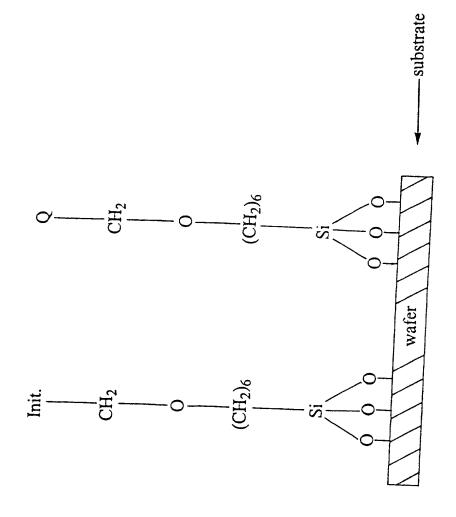
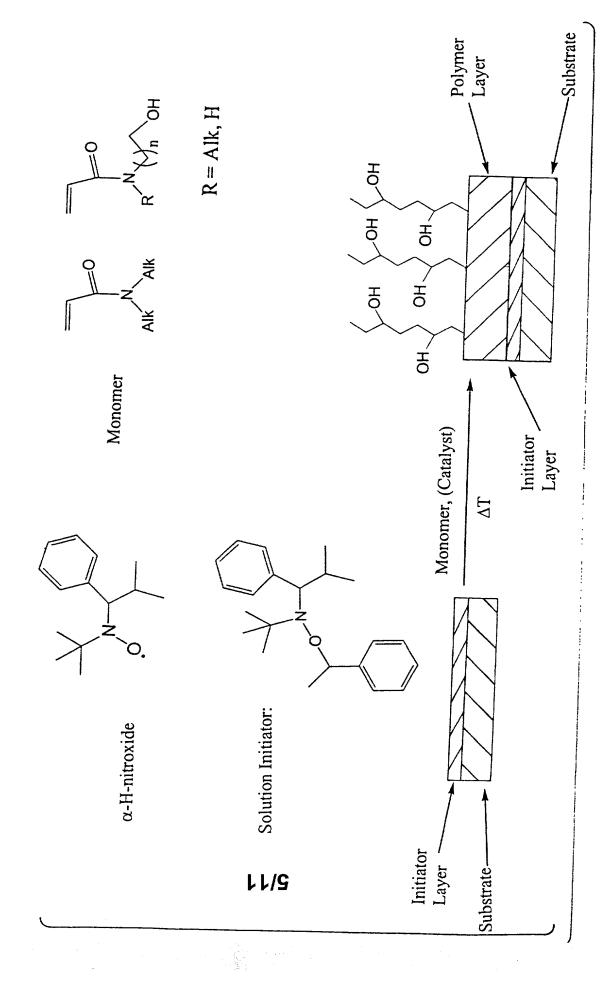


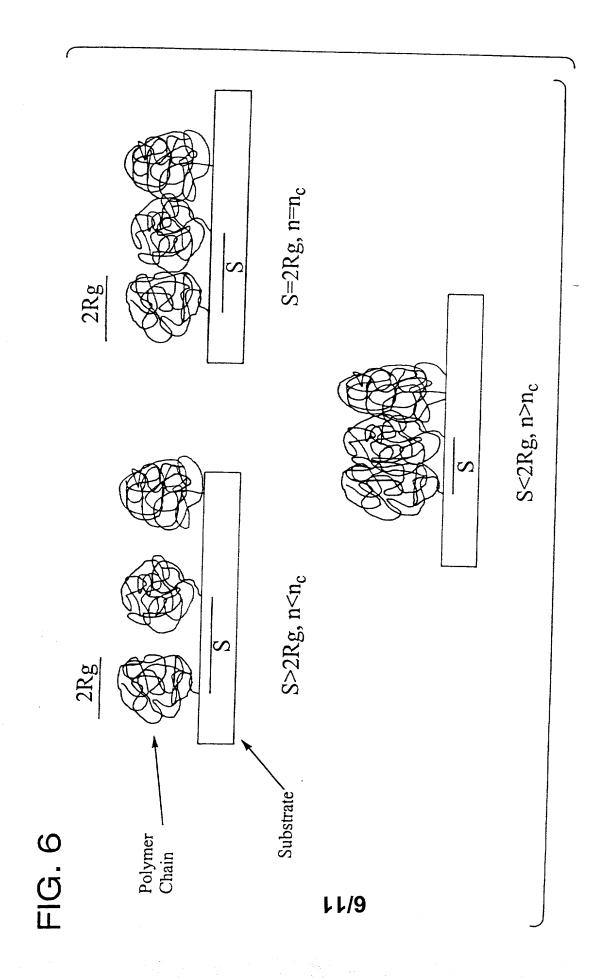
FIG. 4



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FIG. 5





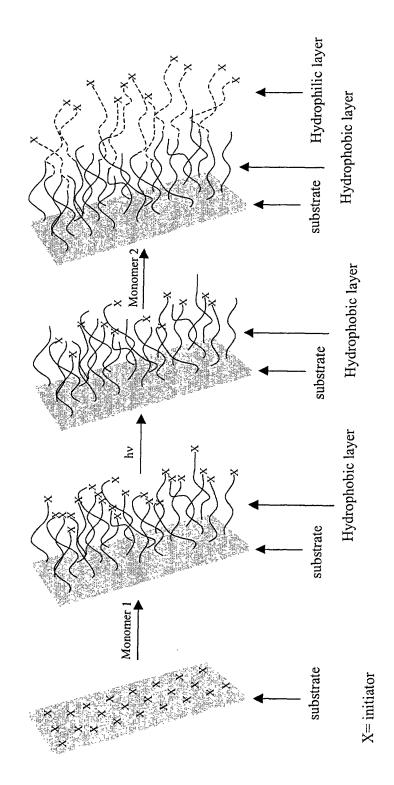
LOADING, HYBRIDIZATION EFFICIENCY VS. CHAIN DENSITY

LL/2

0.125 INITIATOR RATIO 0.25 INITIATOR 0.75 INITIATOR 0.50 INITIATOR TARGET HYBRIDIZATION EFFICIENCY OF EFFICIENCY OF 50mer PROBE LOADING Ò ď 0.8 0.6 0.4 0. 0.2 NORMALIZED TO 0.25 INITIATOR RATIO FLUROESCENCE SIGNAL,

$$H_{2N}$$
 H_{2N}
 H

Fig. 9



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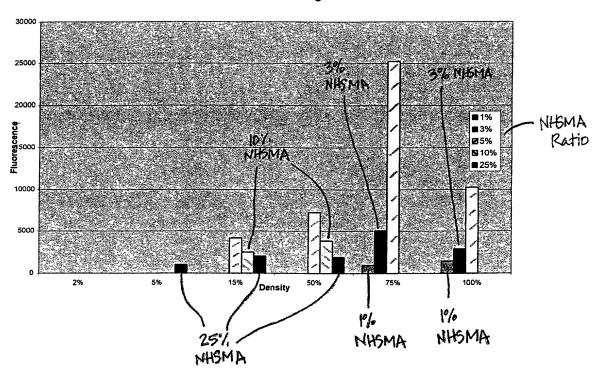
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FIG. 10a

Probe Loading (fluorescent count)										
	VII	NHSMA/DMA Monomer Ratio								
		1%	3%	5%	10%	25%				
Chain Density	2%									
	5%					1042				
	15%			4174	2507	2064				
	50%			7221	3822	1961				
	75%	989	5048	25209						
	100%	1503	2865	10258						

FIG. 10b

Probe Loading



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FIG. 10c

Hybridization (fluorescent count)									
		NHSMA/DMA Monomer Ratio							
		1%	3%	5%	10%	25%			
Chain Density	2%								
	5%					894			
	15%			4288	1342	1138			
	50%			5132	2567	539			
	75%	4300	9340	10992					
	100%	3588	9058	8514					

FIG. 10d

